MATERNAL AND CHILD CARE

VITAL STATISTICS

7TH UPDATE

1981 MANITOBA VITAL STATISTICS

division of
Administrative Services

MANITOBA

MATERNAL AND CHILD CARE

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1981 MANITOBA VITAL STATISTICS

PREPARED BY:

STATISTICS BRANCH
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DEPARTMENT OF HEALTH

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MANITOBA

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To • RECIPIENTS OF MATERNAL AND CHILD CARE UPDATE

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Subject MATERNAL AND CHILD CARE 7TH UPDATE:

1981 MANITOBA VITAL STATISTICS

This is the seventh update to the Maternal and Child Care Report, and employs 1981 Vital Statistics for Manitoba Regions and Winnipeg Districts and December 1, 1981 Manitoba Health Services Commission figures for regional populations. The format has remained unchanged from previous years.

Due to revisions required in the tabulation of causes of death the following five tables are included for 1980 with appropriately noted revisions:

IV-9A	Neonatal Deaths By Cause of Death and Regions 1980
IV-9B	Neonatal Death Rates By Cause of Death and Regions 1980
IV-10A	Post Neonatal Deaths By Cause of Death and Regions 1980
IV-10B	Post Neonatal Death Rates By Cause of Death and Region 1980
V-7	Post Neonatal Deaths By Cause and Winnipeg Area 1980

As the Department of Health's Statistics Branch is currently responsible for updates, requests for copies or information of past or current reports should be forwarded to this Branch.

Seech Gajadharsingh

Seech Gajadharsingh
Director of Statistics

WAH/md

NEONATAL DEATHS[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS 1980

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	3	-	3	-	-	-	-	1	7
EASTMAN	-	2[r]	-	2	1	-	-	-	-[r]	5
INTERLAKE	-	3[r]	-	-	-	-	-	1	2[r]	6
NORMAN	-	2[r]	-	1	-	-	-	-	-[r]	3
PARKLAND	-	1	-	1	1	-	-	-	1	4
THOMPSON	-	-	-	-	-	-	-	-	1	1
WESTMAN	-	5[r]	5	-	-	-	-	-	-[r]	10
WINNIPEG	3[r]	21[r]	12	14	3	-	1	5	4[r]	63
I.R. & U.T.	-	5[r]	2	4	-	-	-	-	1[r]	12
MANITOBA TOTAL	3[r]	42[r]	19	25	5	-	1	6	10[r]	111
OTHER	1[r]	6[r]	4	2	-	-	-	-	1[r]	14
TOTAL	4[r]	48[r]	23	27	5	-	1	6	11[r]	125

SOURCE: Manitoba Vital Statistics registrations.

1 Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

NEONATAL DEATH RATES[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS 1980

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	19.8	-	19.8	-	-	-	-	*	46.1
EASTMAN	-	* r	-	*	*	-	-	-	- r	42.3
INTERLAKE	-	39.7r	-	-	-	-	-	*	* r	79.5
NORMAN	-	*	-	*	-	-	-	-	- r	75.2
PARKLAND	-	*	-	*	*	-	-	-	*	64.4
THOMPSON	-	-	-	-	-	-	-	-	*	*
WESTMAN	-	30.0r	30.0	-	-	-	-	-	- r	60.0
WINNIPEG	3.7 r	26.2r	15.0	17.5	3.7	-	*	6.2	5.0r	78.7
I.R. & U.T.	-	40.4r	*	32.4	-	-	-	-	* r	97.1
MANITOBA TOTAL	1.9 r	26.5r	12.0	15.7	3.1	-	*	3.8	6.3r	69.9
OTHER	*	137.9r	92.0	*	-	-	-	-	* r	321.8
TOTAL	2.5 r	29.4r	14.1	16.6	3.1	-	*	3.7	6.7r	76.6

SOURCE: Manitoba Vital Statistics registrations.

1 Neonatal death rate is defined as the rate of infant deaths under 28 days of age per 10,000 live births.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

* Not calculated due to low incidence.

POST NEONATAL DEATHS[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1980

CAUSE OF DEATH / REGION	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	1[r]	-	2	-	-	2	2[r]	7
EASTMAN	-	-	1	-	-	2	-	3
INTERLAKE	-	-	-	-	-	1	1	2
NORMAN	-	-	-	-	-	1	-	1
PARKLAND	-	-	1	-	1	-	1	3
THOMPSON	-	-	-	-	-	1	-	1
WESTMAN	-	1[r]	1	-	-	5	2[r]	9
WINNIPEG	1[r]	2[r]	5	-	-	10	6[r]	24
I.R. & U.T.	3[r]	-	2	-	1	6	2[r]	14
MANITOBA TOTAL	5[r]	3[r]	12	-	2	28	14[r]	64
OTHER	-	-	-	-	-	1	1	2
TOTAL	5[r]	3[r]	12	-	2	29	15[r]	66

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

POST NEONATAL DEATH RATES[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1980

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	*[r]	-	*	-	-	*	*[r]	46.1
EASTMAN	-	-	*	-	-	*	-	25.4
INTERLAKE	-	-	-	-	-	*	*	*
NORMAN	-	-	-	-	-	*	-	*
PARKLAND	-	-	*	-	*	-	*	48.3
THOMPSON	-	-	-	-	-	*	-	*
WESTMAN	-	*[r]	*	-	-	30.0	*[r]	54.0
WINNIPEG	*[r]	*	6.2	-	-	12.5	7.5[r]	30.0
I.R. & U.T.	40.4[r]	-	*	-	*	48.5	*[r]	113.3
MANITOBA TOTAL	3.1[r]	1.9[r]	7.6	-	*	17.6	8.8[r]	40.3
OTHER	-	-	-	-	-	*	*	*
TOTAL	3.1[r]	1.8[r]	7.4	-	*	17.8	9.2[r]	40.5

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 10,000 live births.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

* Not calculated due to low incidence.

POST NEONATAL DEATHS[1] BY CAUSE[2]

AND WINNIPEG AREA 1980

CAUSE OF DEATH / REGION	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL DEFINED	OTHER CAUSES	TOTAL
CHARLESWOOD TUXEDO	-	-	-	-	-	1	-	1
FT. GARRY	-	-	-	-	-	-	1	1
KILDONAN (EAST & NORTH)	-	-	-	-	-	-	-	-
KILDONAN (OLD & WEST)	-	-	-	-	-	2	-	2
ST. BONIFACE	-	-	2	-	-	1	-	3
ST. JAMES	-	-	1	-	-	-	1	2
ST. PAUL (EAST & WEST)	-	-	-	-	-	1	-	1
ST. VITAL	-	-	-	-	-	-	2	2
TRANSCONA	-	1 [r]	-	-	-	-	- [r]	1
WINNIPEG INNER CITY	1 [r]	1	2	-	-	5	2 [r]	11
TOTAL	1 [r]	2 [r]	5	-	-	10	6 [r]	24

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

GLOSSARY OF TERMS AND DEFINITIONS

A. Symbols

N/A	Not Available	-	Zero Activity
r	Revised	*	Refer to Footnote(s)

B. Definitions

1. Age - Completed age in years, months, days, etc.
2. Population
   a) Manitoba - based on Manitoba Health Services Commission population reports. Regional populations are by region of residence.
   b) Canada - based on Statistics Canada population data.
3. Births
   a) Live Births - Infants born alive excluding stillbirths.
   b) Stillbirths - Foetal deaths of 20 (or 28) or more weeks gestation.
   c) Total Births - Live births plus stillbirths.
4. Birth Rates
   a) Live Births - Infants born alive, excluding stillbirths, per 1,000 population.
   b) Stillbirths - Foetal deaths of 20 (or 28) or more weeks gestation per 1,000 live births.
5. Deaths
   a) Infant - Infant deaths under 1 year of age, excluding stillbirths.
   b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium.
   c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths.
   d) Newborn - Infant deaths from birth to less than 7 days of age.
   e) Perinatal - Foetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age.

f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age.

6. Death Rates

a) Infant - Infant deaths under 1 year of age, excluding stillbirths, per 1,000 live births.

b) Maternal - Deaths due to delivery and complications of pregnancy, childbirth and the puerperium per 10,000 live births.

c) Neonatal - Infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.

d) Newborn - Infant deaths from birth to less than 7 days of age per 1,000 live births.

e) Perinatal - Foetal deaths of 20 (or 28) or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births.

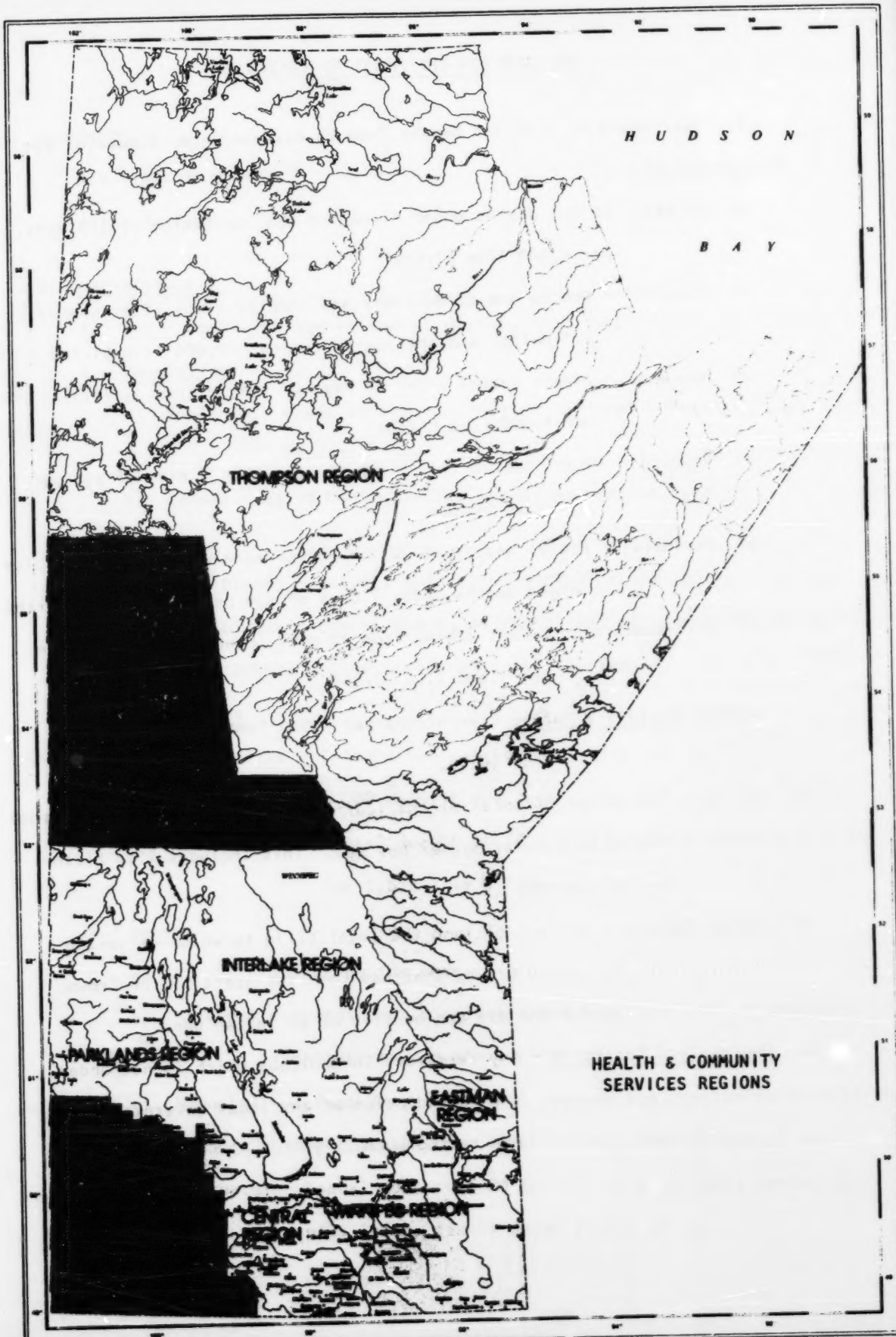
f) Post-Neonatal - Infant deaths from 28 days to under 1 year of age per 1,000 live births.

7. General Fertility Rate - Live births per 1,000 females between ages 15-49.

8. Parity - The number of total births (current birth plus previous births) that a particular mother has had. This includes live births and stillbirths.

9. Indian Reserve - A tract of land the legal title to which is vested in the Crown, that has been set apart by the Crown for the use and benefit of an Indian band.

10. Unorganized Territory - Any territory in Manitoba which is not under the jurisdiction of any legal government that has taxing authority.


HUDSON
BAY
THOMPSON REGION
INTERLAKE REGION
PARKLANDS REGION
EASTMAN REGION
CENTRAL REGION
WINNIPEG REGION
HEALTH & COMMUNITY
SERVICES REGIONS

MANITOBA POPULATION

BY HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977[1]	1978[1]	1979[1]	1980	1981[2]
CENTRAL	86,648	88,029	88,989		89,566
EASTMAN	64,627	66,641	68,198	N	68,309
INTERLAKE	57,031	58,197	58,798	O T	61,645
NORMAN	22,631	22,921	22,955	A	22,304
PARKLAND	48,146	48,114	47,933	V A	45,357
THOMPSON	30,838	30,255	28,410	I L	22,644
WESTMAN	120,490	120,808	121,380	A B	117,763
WINNIPEG	599,758	605,148	607,099	L E	594,146
INDIAN RESERVES	41,056	41,883	42,876		45,569
UNORGANIZED TERRITORIES	12,284	12,474	12,266		11,210
TOTAL	1,083,509	1,094,470	1,098,904		1,078,513

SOURCE: [1]Manitoba Health Services Commission population records (June 1).
[2]December 1, 1981.

WINNIPEG POPULATION

BY SUB REGIONAL RESIDENCE AREAS 1977-1981

YEAR / WINNIPEG REGION	1977[1]	1978[1]	1979[1]	1980	1981[2]
FT. GARRY	37,994	39,685	40,373		42,109
KILDONAN (EAST & NORTH)	60,739	62,226	63,893	N	65,721
KILDONAN (OLD & WEST)	34,269	36,068	37,400	O	40,728
ST. BONIFACE	47,297	47,040	46,416	T	44,828
ST. JAMES-ASSINIBOIA	79,680	81,064	82,329	A V A I L A B L E	81,166
ST. PAUL (EAST)	3,475	3,453	3,392		3,184
ST. PAUL (WEST)	2,283	2,237	2,111		2,389
ST. VITAL	42,367	43,032	44,113		45,750
TRANSCONA	26,948	27,610	28,124		27,856
WINNIPEG (TUXEDO & CHARLESWOOD)	264,706	262,733	258,948		240,415
TOTAL	599,758	605,148	607,099		594,146

SOURCE: [1]Manitoba Health Services Commission population records (June 1).

[2]December 1, 1981.

IV - 1A

FEMALES BETWEEN 15-49

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977[1]	1978[1]	1979[1]	1980	1981[2]
CENTRAL	19,430	20,080	20,443	NOT AVAILABLE	20,680
EASTMAN	14,920	15,663	16,314		16,545
INTERLAKE	12,907	13,430	13,662		14,702
NORMAN	5,528	5,674	5,707		5,672
PARKLAND	10,076	10,153	10,181		9,628
THOMPSON	8,097	8,058	7,616		6,350
WESTMAN	27,216	27,632	28,027		27,134
WINNIPEG	158,142	161,027	162,580		160,332
I.R. & U.T.	11,386	11,887	12,308		13,258
TOTAL	267,702	273,644	276,838		274,301

SOURCE: [1]Manitoba Health Services Commission population records (June 1).

[2]December 1, 1981.

TOTAL BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	1,389	1,504	1,471	1,524	1,474
EASTMAN	1,231	1,200	1,210	1,187	1,156
INTERLAKE	808	844	786	758	729
NORMAN	423	407	432	402	414
PARKLAND	660	652	627	630	590
THOMPSON	696	570	529	497	544
WESTMAN	1,733	1,724	1,690	1,682	1,694
WINNIPEG	8,475	8,294	8,230	8,076	8,243
I.R. & U.T.	1,357	1,284	1,283	1,248	1,248
MANITOBA TOTAL	16,772	16,479	16,258	16,004	16,092
NON-RESIDENT	429	451	444	447	471
TOTAL	17,205[1]	16,930	16,711[2]	16,451	16,563

SOURCE: Manitoba Vital Statistics registrations

* Total births are defined as live births plus stillbirths of 20 or more weeks gestation.

1 Includes 4 live births not categorized by region of residence.

2 Includes 9 live births not categorized by region of residence.

LIVE BIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	1,370	1,489	1,462	1,518	1,463
EASTMAN	1,222	1,190	1,202	1,181	1,145
INTERLAKE	800	834	776	755	722
NORMAN	420	405	425	399	411
PARKLAND	650	646	620	621	586
THOMPSON	693	564	525	493	539
WESTMAN	1,715	1,711	1,677	1,668	1,679
WINNIPEG	8,394	8,215	8,154	8,007	8,176
I.R. & U.T.	1,338	1,265	1,274	1,236	1,231
MANITOBA TOTAL	16,602	16,319	16,115	15,878	15,952
NON-RESIDENT	424	444	439	435	462
TOTAL	17,030[1]	16,763	16,563[2]	16,313	16,414

SOURCE: Manitoba Vital Statistics registrations.
* Live births are infants born alive, excluding stillbirths.
1 Includes 4 live births not categorized by region of residence.
2 Includes 9 live births not categorized by region of residence.

GENERAL FERTILITY RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	70.5	74.2	71.5		70.7
EASTMAN	81.9	76.0	73.7	N	69.2
INTERLAKE	62.0	62.1	56.8	O	49.1
NORMAN	76.0	71.4	74.5	T	72.5
PARKLAND	64.5	63.6	60.9	A	60.9
THOMPSON	85.6	70.0	68.9	V	84.9
WESTMAN	63.0	61.9[r]	59.8	A	61.9
WINNIPEG	53.1	51.0	50.2	I	51.0
I.R. & U.T.	117.5	106.4	103.5	L	92.8
MANITOBA TOTAL	62.0	59.6[r]	58.2	A	58.2
CANADA	59.4	58.0	58.2	B	N/A
				L	
				E	

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I, Births and Deaths, (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations. Manitoba Health Services population records.

* General fertility rate is defined as live births per 1,000 females between ages 15-49.

INFANT DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	20	17	18	14	15
EASTMAN	16	13	11	8	12
INTERLAKE	8	17	14	8	4
NORMAN	9	6	9	4	3
PARKLAND	10	8	7	7	10
THOMPSON	9	7	10	2	5
WESTMAN	23	23	17	19	27
WINNIPEG	135	94	91	87	79
I.R. & U.T.	45	30	25	26	31
MANITOBA TOTAL	275	215	202	175	186
NON-RESIDENT	15	17	21	16	13
TOTAL	290	233[1]	228[2]	191	199

SOURCE: Manitoba Vital Statistics registrations.

* Infant deaths are defined as deaths under 1 year of age, excluding stillbirths.
1 Includes 1 death not categorized by region of residence.
2 Includes 5 deaths not categorized by region of residence.

INFANT DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	14.6	11.4	12.3	9.2	10.3
EASTMAN	13.1	10.9	9.2	6.8	10.5
INTERLAKE	10.0	20.4	18.0	10.6	5.5
NORMAN	21.4	14.8	21.2	10.0	7.3
PARKLAND	15.4	12.4	11.3	11.3	17.1
THOMPSON	13.0	12.4	19.0	**	9.3
WESTMAN	13.4	13.4	10.1	11.4	16.1
WINNIPEG	16.1	11.4	11.2	10.9	9.7
I.R. & U.T.	33.6	23.7	19.6	21.0	25.2
MANITOBA TOTAL	16.6	13.2	12.5	11.0	11.7
NON-RESIDENT	35.4	38.3	47.8	36.8	28.1
TOTAL	17.0	13.9	13.8	11.7	12.1
CANADA	12.4	12.0	10.9	10.4	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I, Births and Deaths, (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Infant death rate is defined as deaths under 1 year of age, excluding stillbirths, per 1,000 live births.

**Not calculated due to low incidence.

NEWBORN DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	12	7	12	7	8
EASTMAN	12	9	6	5	6
INTERLAKE	3	13	9	6	3
NORMAN	5	4	5	3	2
PARKLAND	5	5	3	2	7
THOMPSON	7	4	7	1	1
WESTMAN	16	14	14	9	13
WINNIPEG	89	54	57	57	45
I.R. & U.T.	14	12	9	10	12
MANITOBA TOTAL	163	122	122	100	97
NON-RESIDENT	6	6	16	10	8
TOTAL	169	129[1]	138	110	105

SOURCE: Manitoba Vital Statistics registrations.
* Newborn deaths are defined as infant deaths from birth to less than 7 days of age.
1 Includes 1 newborn death not categorized by region of residence.

NEWBORN DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	8.8	4.7	8.2	4.6	5.5
EASTMAN	9.8	7.6	5.0	4.2	5.2
INTERLAKE	3.8	15.6	11.6	7.9	4.2
NORMAN	11.9	9.9	11.8	7.5	**
PARKLAND	7.7	7.7	4.8	**	11.9
THOMPSON	10.1	7.1	13.3	**	**
WESTMAN	9.3	8.2	8.3	5.4	7.7
WINNIPEG	10.6	6.6	7.0	7.1	5.5
I.R. & U.T.	10.5	9.5	7.1	8.1	9.7
MANITOBA TOTAL	9.8	7.5	7.6	6.3	6.1
NON-RESIDENT	14.2	13.5	36.4	23.0	17.3
TOTAL	9.9	7.7	8.3	6.7	6.4
CANADA	7.2	6.8	6.1	5.6	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Newborn death rate is defined as infant deaths from birth to less than 7 days of age per 1,000 live births.

**Not calculated due to low incidence.

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	31	22	21	13	19
EASTMAN	21	19	14	11	17
INTERLAKE	11	23	19	9	10
NORMAN	8	6	12	6	5
PARKLAND	15	11	10	11	11
THOMPSON	10	10	11	5	6
WESTMAN	34	27	27	23	28
WINNIPEG	170	133	133	126	112
I.R. & U.T.	33	31	18	22	29
MANITOBA TOTAL	333	282	265	226	237
NON-RESIDENT	11	13	21	22	17
TOTAL	344	296[1]	286	248	254

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as foetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

1 Includes 1 newborn death not categorized by region of residence.

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	22.3	14.6	14.3	8.5	12.9
EASTMAN	17.1	15.8	11.6	9.3	14.7
INTERLAKE	13.6	27.3	24.2	11.9	13.7
NORMAN	18.9	14.7	27.8	14.9	12.1
PARKLAND	22.7	16.9	15.9	17.5	18.6
THOMPSON	14.4	17.5	20.8	10.1	11.0
WESTMAN	19.6	15.7	16.0	13.7	16.5
WINNIPEG	19.9	16.0	16.2	15.6	13.6
I.R. & U.T.	23.6	24.1	14.0	17.6	23.2
MANITOBA TOTAL	19.7	17.1	16.3	14.1	14.7
NON-RESIDENT	25.6	28.8	47.3	49.2	36.1
TOTAL	20.0	17.5	17.1	15.1	15.3

SOURCE: Manitoba Vital Statistics registration.

* Perinatal death rate is defined as the total of foetal deaths of 20 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.

Total births are live births plus stillbirths of 20 or more weeks gestation.

PERINATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	27	17	17	12	15
EASTMAN	16	14	12	7	14
INTERLAKE	9	20	19	9	8
NORMAN	7	6	10	5	4
PARKLAND	6	9	7	9	10
THOMPSON	8	6	10	4	4
WESTMAN	24	23	23	22	23
WINNIPEG	142	106	108	108	86
I.R. & U.T.	24	27	18	18	26
MANITOBA TOTAL	263	228	224	194	190
NON-RESIDENT	9	13	18	19	14
TOTAL	272	242[1]	242	213	204

SOURCE: Manitoba Vital Statistics registrations.

* Perinatal deaths are defined as foetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

1 Includes 1 newborn death not categorized by region.

PERINATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	19.4	11.3	11.6	7.9	10.2
EASTMAN	13.0	11.7	9.9	5.9	12.1
INTERLAKE	11.1	23.7	24.2	11.9	11.0
NORMAN	16.5	14.7	23.3	12.4	9.7
PARKLAND	9.1	13.8	11.2	14.3	17.0
THOMPSON	11.5	10.5	18.9	8.0	7.4
WESTMAN	13.9	13.4	13.6	13.1	13.6
WINNIPEG	16.8	12.8	13.2	13.4	10.5
I.R. & U.T.	17.7	21.0	14.0	14.4	20.9
MANITOBA TOTAL	15.7	13.9	13.8	12.1	11.8
NON-RESIDENT	21.0	28.8	40.8	42.5	29.9
TOTAL	15.8	14.3	14.5	12.9	12.4
CANADA	13.8	12.8	11.8	10.9	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I, Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Perinatal death rate is defined as the total of foetal deaths of 28 or more weeks gestation and infant deaths under 7 days of age per 1,000 total births.

Total births are live births plus stillbirths of 28 or more weeks gestation.

STILLBIRTHS*

MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	19	15	9	6	11
EASTMAN	9	10	8	6	11
INTERLAKE	8	10	10	3	7
NORMAN	3	2	7	3	3
PARKLAND	10	6	7	9	4
THOMPSON	3	6	4	4	5
WESTMAN	18	13	13	14	15
WINNIPEG	81	79	76	69	67
I.R. & U.T.	19	19	9	12	17
MANITOBA TOTAL	170	160	143	126	140
NON-RESIDENT	5	7	5	12	9
TOTAL	175	167	148	138	149

SOURCE: Manitoba Vital Statistics registrations.
* Stillbirths are defined as foetal deaths of 20 or more weeks gestation.

STILLBIRTH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	13.9	10.1	6.2	4.0	7.5
EASTMAN	7.4	8.4	6.7	5.1	9.6
INTERLAKE	10.0	12.0	12.9	4.0	9.7
NORMAN	7.1	4.9	16.5	7.5	7.3
PARKLAND	15.4	9.3	11.3	14.5	6.8
THOMPSON	4.3	10.6	7.6	8.1	9.3
WESTMAN	10.5	7.6	7.8	8.4	8.9
WINNIPEG	9.6	9.6	9.3	8.6	8.2
I.R. & U.T.	14.2	15.0	7.1	9.7	13.8
MANITOBA TOTAL	10.2	9.8	8.9	7.9	8.8
NON-RESIDENT	11.8	15.8	11.4	27.6	19.5
TOTAL	10.3	10.0	8.9	8.5	9.1
CANADA	8.6	8.0	7.7	7.1	N/A

SOURCE: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I Births and Deaths (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as the rate of foetal deaths of 20 or more weeks gestation per 1,000 live births.

STILLBIRTHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	15	10	5	5	7
EASTMAN	4	5	6	2	8
INTERLAKE	6	7	10	3	5
NORMAN	2	2	5	2	2
PARKLAND	1	4	4	7	3
THOMPSON	1	2	3	3	3
WESTMAN	8	9	9	13	10
WINNIPEG	53	52	51	51	41
I.R. & U.T.	10	15	9	8	14
MANITOBA TOTAL	100	106	102	94	93
NON-RESIDENT	3	7	2	9	6
TOTAL	103	113	104	103	99

SOURCE: Manitoba Vital Statistics registrations.
* Stillbirths are defined as foetal deaths of 28 or more weeks gestation.

STILLBIRTH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	10.9	6.7	3.4	3.3	4.8
EASTMAN	3.3	4.2	5.0	**	7.0
INTERLAKE	7.5	8.4	12.9	4.0	6.9
NORMAN	**	**	11.8	**	**
PARKLAND	**	6.2	6.5	11.3	5.1
THOMPSON	**	**	5.7	6.1	5.6
WESTMAN	4.7	5.3	5.4	7.8	6.0
WINNIPEG	6.3	6.3	6.3	6.4	5.0
I.R. & U.T.	7.5	11.9	7.1	6.5	11.4
MANITOBA TOTAL	6.0	6.5	6.3	5.9	5.8
NON-RESIDENT	7.1	15.8	**	20.7	13.0
TOTAL	6.1	6.7	6.3	6.3	6.0
CANADA	6.7	6.2	5.7	5.3	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume II Deaths (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Stillbirth rate is defined as rate of foetal deaths of 28 or more weeks gestation per 1,000 live births.

**Not calculated due to low incidence.

NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	14	11	14	7	10
EASTMAN	13	12	8	5	7
INTERLAKE	4	13	12	6	3
NORMAN	6	4	6	3	2
PARKLAND	5	7	5	4	9
THOMPSON	7	5	7	1	2
WESTMAN	17	15	15	10	18
WINNIPEG	97	67	67	63	53
I.R. & U.T.	17	13	13	12	16
MANITOBA TOTAL	180	147	147	111	120
NON-RESIDENT	9	10	18	14	8
TOTAL	189	158[1]	165	125	128

SOURCE: Manitoba Vital Statistics registrations.

* Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

1 Includes 1 neonatal death not categorized by region.

NEONATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	10.2	7.4	9.6	4.6	6.8
EASTMAN	10.6	10.1	6.7	4.2	6.1
INTERLAKE	5.0	15.6	15.5	7.9	4.2
NORMAN	14.3	9.9	14.1	7.5	**
PARKLAND	7.7	10.8	8.1	6.4	15.4
THOMPSON	10.1	8.9	13.3	**	**
WESTMAN	9.9	8.8	8.9	6.0	10.7
WINNIPEG	11.6	8.2	8.2	7.9	6.5
I.R. & U.T.	12.7	10.3	10.2	9.7	13.0
MANITOBA TOTAL	10.8	9.0	9.1	7.0	7.5
NON-RESIDENT	21.2	22.5	41.0	32.2	17.3
TOTAL	11.1	9.4	10.0	7.7	7.8
CANADA	8.3	8.0	7.2	6.7	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I, Births and Deaths, (Cat. 84-204).

Manitoba, Manitoba Vital Statistics registrations.

* Neonatal death rate is defined as the rate of infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.

**Not calculated due to low incidence.

POST-NEONATAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	6	6	4	7	5
EASTMAN	3	1	3	3	5
INTERLAKE	4	4	2	2	1
NORMAN	3	2	3	1	1
PARKLAND	5	1	2	3	1
THOMPSON	2	2	3	1	3
WESTMAN	6	8	2	9	9
WINNIPEG	38	27	24	24	26
I.R. & U.T.	28	17	12	14	15
MANITOBA TOTAL	95	68	55	64	66
NON-RESIDENT	6	7	3	2	5
TOTAL	101	76[1]	63[2]	66	71

SOURCE: Manitoba Vital Statistics registrations.

* Post neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

1 Includes 1 post neonatal death not categorized by region.

2 Includes 5 post neonatal deaths not categorized by region.

POST-NEONATAL DEATH RATES*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS

AND FOR CANADA 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	4.4	4.0	2.7	4.6	3.4
EASTMAN	2.5	**	2.5	2.5	4.4
INTERLAKE	5.0	4.8	**	**	**
NORMAN	7.1	**	7.1	**	**
PARKLAND	7.7	**	**	4.8	**
THOMPSON	**	**	5.7	**	5.6
WESTMAN	3.5	4.7	**	5.4	5.4
WINNIPEG	4.5	3.3	2.9	3.0	3.2
I.R. & U.T.	20.9	13.4	9.4	11.3	12.2
MANITOBA TOTAL	5.7	4.2	3.4	4.0	4.1
NON-RESIDENT	14.2	15.8	6.8	**	10.8
TOTAL	5.9	4.5	3.8	4.0	4.3
CANADA	4.1	3.9	3.7	3.8	N/A

SOURCES: Canada, Statistics Canada, Vital Statistics: 1978, 1979, 1980, Volume I Births and Deaths, (Cat. 84-206).

Manitoba, Manitoba Vital Statistics registrations.

* Post neonatal death rate is defined as the rate of infant deaths from 28 days to under 1 year of age per 1,000 live births.

**Not calculated due to low incidence.

MATERNAL DEATHS*

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1977-1981

REGION \ YEAR	1977	1978	1979	1980	1981
CENTRAL	-	-	-	-	-
EASTMAN	-	-	-	-	-
INTERLAKE	-	-	-	-	-
NORMAN	-	-	1	-	-
PARKLAND	-	-	-	-	-
THOMPSON	-	-	-	-	-
WESTMAN	-	-	-	1	-
WINNIPEG	-	-	1	-	-
I.R. & U.T.	-	-	-	1	-
MANITOBA TOTAL	-	-	2	2	-
NON-RESIDENT	-	-	-	-	-
TOTAL	-	-	2	2	-

SOURCE: Manitoba Vital Statistics registrations.

* Maternal deaths are defined as deaths due to delivery and complications of pregnancy, childbirth, and the puerperium.

NOTE: Table IV-7B has not been calculated due to low incidence of maternal deaths.

DEATHS UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1981

MORTALITY GROUP / REGION		INFANT MORTALITY				
		NEO-NATAL MORTALITY				POST-NEO-NATAL MORTALITY
		PERINATAL MORTALITY				
	STILLBIRTH*	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	11	8	-	-	2	5
EASTMAN	11	4	2	-	1	5
INTERLAKE	7	2	-	1	-	1
NORMAN	3	-	1	1	-	1
PARKLAND	4	4	-	3	2	1
THOMPSON	5	1	-	-	1	3
WESTMAN	15	6	4	3	5	9
WINNIPEG	67	27	10	8	8	26
I.R. & U.T.	17	8	4	-	4	15
MANITOBA TOTAL	140	60	21	16	23	66

SOURCE: Manitoba Vital Statistics registrations.
* Stillbirths are defined as foetal deaths of 20 or more weeks gestation.

DEATH RATES* UNDER ONE YEAR OF AGE

BY MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1981

MORTALITY GROUP / REGION		INFANT MORTALITY				
		NEO-NATAL MORTALITY				POST-NEO-NATAL MORTALITY
	PERINATAL MORTALITY					
	STILLBIRTH	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 12 MONTHS
CENTRAL	7.5	5.5	-	-	**	3.4
EASTMAN	9.6	3.5	**	-	**	4.4
INTERLAKE	9.7	**	-	**	-	**
NORMAN	7.3	-	**	**	-	**
PARKLAND	6.8	6.8	-	5.1	**	**
THOMPSON	9.3	**	-	-	**	5.6
WESTMAN	8.9	3.6	2.4	1.8	3.0	5.4
WINNIPEG	8.2	3.3	1.2	1.0	1.0	3.2
I.R. & U.T.	13.8	6.5	3.2	-	3.2	12.2
MANITOBA TOTAL	8.8	3.8	1.3	1.0	1.4	4.1

SOURCE: Manitoba Vital Statistics registrations.

* All death rates are defined as rates per 1,000 live births. Stillbirths are defined as foetal deaths of 20 or more weeks gestation.

**Not calculated due to low incidence.

NEONATAL DEATHS[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS 1981

CAUSE OF DEATH / REGION	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	1	4	2	1	-	-	1	1	10
EASTMAN	-	-	3	3	-	-	-	-	1	7
INTERLAKE	-	1	-	2	-	-	-	-	-	3
NORMAN	-	-	-	-	-	-	-	-	2	2
PARKLAND	-	4	-	2	-	-	-	-	3	9
THOMPSON	-	1	-	-	-	-	-	-	1	2
WESTMAN	-	8	2	6	-	-	1	-	1	18
WINNIPEG	-	12	9	23	-	-	1	4	4	53
I.R. & U.T.	-	4	2	4	-	-	-	4	2	16
MANITOBA TOTAL	-	31	20	42	1	-	2	9	15	120
OTHER	-	4	2	2	-	-	-	-	-	8
TOTAL	-	35	22	44	1	-	2	9	15	128

SOURCE: Manitoba Vital Statistics registrations.

1 Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

NEONATAL DEATH RATES[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS 1981

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	IMMATURITY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER PERINATAL CAUSES	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	-	*	27.3	*	*	-	-	*	*	68.4
EASTMAN	-	-	26.2	26.2	-	-	-	-	*	61.1
INTERLAKE	-	*	-	*	-	-	-	-	-	41.6
NORMAN	-	-	-	-	-	-	-	-	*	*
PARKLAND	-	68.3	-	*	-	-	-	-	-	51.2
THOMPSON	-	*	-	-	-	-	-	-	*	*
WESTMAN	-	47.6	*	35.7	-	-	*	-	*	107.2
WINNIPEG	-	14.7	11.0	28.1	-	-	*	4.9	4.9	64.8
I.R. & U.T.	-	32.5	*	32.5	-	-	-	32.5	*	130.0
MANITOBA TOTAL	-	19.4	12.5	26.3	*	-	*	5.6	9.4	75.2
OTHER	-	86.6	*	*	-	-	-	-	-	173.2
TOTAL	-	21.3	13.4	26.8	*	-	*	5.5	9.1	78.0

SOURCE: Manitoba Vital Statistics registrations.

1 Neonatal death rate is defined as the rate of infant deaths under 28 days of age per 10,000 live births.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume I, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Immaturity (765); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799); Other Perinatal Causes (760, 761, 762, 763.8, 766.2, 772.0, 775.0, 776.0, 778.2, 779.6, 779.9).

* Not calculated due to low incidence.

POST NEONATAL DEATHS[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1981

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	2	-	-	-	-	1	2	5
EASTMAN	-	-	1	-	-	2	2	5
INTERLAKE	-	-	-	-	-	1	-	1
NORMAN	-	-	-	-	-	-	1	1
PARKLAND	-	-	1	-	-	-	-	1
THOMPSON	1	-	1	-	-	1	-	3
WESTMAN	-	-	-	-	1	3	5	9
WINNIPEG	2	1	4	-	-	13	6	26
I.R. & U.T.	1	-	-	-	2	5	7	15
MANITOBA TOTAL	6	1	7	-	3	26	23	66
OTHER	1	-	-	-	-	2	2	5
TOTAL	7	1	7	-	3	28	25	71

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

POST NEONATAL DEATH RATES[1]

BY CAUSE OF DEATH[2] AND MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1981

REGION \ CAUSE OF DEATH	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL-DEFINED	OTHER CAUSES	REGIONAL TOTAL
CENTRAL	*	-	-	-	-	*	*	34.2
EASTMAN	-	-	*	-	-	*	*	43.7
INTERLAKE	-	-	-	-	-	*	-	*
NORMAN	-	-	-	-	-	-	*	*
PARKLAND	-	-	*	-	-	-	-	*
THOMPSON	*	-	*	-	-	*	-	55.7
WESTMAN	-	-	-	-	*	17.9	29.8	53.6
WINNIPEG	*	*	4.9	-	-	15.9	7.3	31.8
I.R. & U.T.	*	-	-	-	*	40.6	56.9	121.9
MANITOBA TOTAL	3.8	*	4.4	-	1.9	16.3	14.4	41.4
OTHER	*	-	-	-	-	*	*	108.2
TOTAL	4.3	*	4.3	-	1.8	17.1	15.2	43.3

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 10,000 live births.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congential Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

* Not calculated due to low incidence.

V - 1A

FEMALES BETWEEN 15-49 YEARS OF AGE

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977[1]	1978[1]	1979[1]	1980	1981[2]
FT. GARRY	10,845	11,527	11,813	N	12,421
KILDONAN (EAST & NORTH)	16,679	17,316	17,749	O	18,099
KILDONAN (OLD & WEST)	9,034	9,634	10,082	T	11,011
ST. BONIFACE	12,377	12,451	12,465	A	11,995
ST. JAMES	21,706	22,346	22,918	V	22,521
ST. PAUL (EAST & WEST)	1,409	1,400	1,374	A	1,420
ST. VITAL	11,581	11,790	12,190	I	12,910
TRANSCONA	7,267	7,506	7,738	L	7,687
INNER CITY[3]	67,244	67,097	66,251	A	62,268
WINNIPEG TOTAL	158,142	161,067	162,580	B	160,332
				L	
				E	

SOURCE: 1 Manitoba Health Services Commission population records (June 1).
2 December 1, 1981.
3 Winnipeg, Inner City, includes Charleswood and Tuxedo.

V - 1B

GENERAL FERTILITY RATES[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977[3]	1978[3]	1979[3]	1980	1981[4]
FT. GARRY	51.3	49.0	51.7	N	49.5
KILDONAN (EAST & NORTH)	57.0	55.0	54.8	O	52.9
KILDONAN (OLD & WEST)	53.4	49.2	53.7	T	51.5
ST. BONIFACE	48.0	39.0	42.3	A	43.4
ST. JAMES	40.9	34.6	34.4	V	34.5
ST. PAUL (EAST & WEST)	44.0	47.9	42.9	A	35.9
ST. VITAL	63.5	64.0	61.4	I	56.2
TRANSCONA	59.7	43.8	40.8	L	37.3
INNER CITY[2]	54.8[r]	56.4[r]	54.2	A	59.1
WINNIPEG TOTAL	53.0	50.8	50.2	B	51.0
				L	
				E	

SOURCE: 3 Manitoba Health Services Commission population records (June 1).
1 General fertility rate is defined as rate of live births per 1,000 females between ages 15-49
2 Winnipeg, Inner City, includes Charleswood and Tuxedo.
4 December 1, 1981.

V - 1C

LIVE BIRTHS[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	394	595	571	610	641
FT. GARRY	556	565	611	631	615
EAST & NORTH KILDONAN	950	952	973	909	958
OLD & WEST KILDONAN	482	474	541	543	567
ST. BONIFACE	594	485	527	483	520
ST. JAMES	887	774	788	790	777
EAST & WEST ST. PAUL	62	67	59	54	51
ST. VITAL	735	754	749	747	725
TRANSCONA	434	329	316	323	287
INNER CITY	3,288	3,186	3,019	2,915	3,036
WINNIPEG TOTAL	8,382	8,215[2]	8,154	8,007[3]	8,177

SOURCE: Manitoba Vital Statistics registrations.
1 Live Births are defined as infants born alive, excluding stillbirths.
2 Includes 34 births not categorized by region of residence.
3 Includes 2 births not categorized by region of residence.

V - 1D

TOTAL BIRTHS[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	398	598	575	613	645
FT. GARRY	564	570	620	635	620
EAST & NORTH KILDONAN	959	957	981	920	966
OLD & WEST KILDONAN	485	483	548	550	572
ST. BONIFACE	600	492	533	485	523
ST. JAMES	895	783	795	796	786
EAST & WEST ST. PAUL	62	67	59	54	51
ST. VITAL	738	762	754	750	732
TRANSCONA	436	329	318	324	287
INNER CITY	3,328	3,220	3,047	2,947	3,062
WINNIPEG TOTAL	8,465	8,295[2]	8,230	8,076[3]	8,244

SOURCE: Manitoba Vital Statistics registrations.
1 Total births are defined as live births plus stillbirths of 20 or more weeks gestation.
2 Includes 34 live births not categorized by region of residence.
3 Includes 2 live births not categorized by region of residence.
NOTE: Totals may differ from Winnipeg region in Part IV due to variation between Winnipeg coded as a Manitoba Region and the coding of separate areas within Winnipeg.

V - 2A

INFANT DEATHS[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	2	4	4	4	6
FT. GARRY	5	5	6	5	7
EAST & NORTH KILDONAN	16	17	10	4	8
OLD & WEST KILDONAN	7	2	4	5	4
ST. BONIFACE	7	4	6	6	2
ST. JAMES	11	6	11	9	5
EAST & WEST ST. PAUL	3	-	1	1	1
ST. VITAL	13	16	8	6	6
TRANSCONA	9	1	3	5	6
INNER CITY	62	38	38	42	34
WINNIPEG TOTAL	135	94[2]	91	87	79

SOURCE: Manitoba Vital Statistics registrations.
1 Infant deaths are defined as infant deaths under 1 year of age excluding stillbirths.
2 Includes 1 death not categorized by region of residence.

V - 2B

INFANT DEATH RATES[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	**	6.7	7.0	6.6	9.4
FT. GARRY	9.0	8.8	9.8	7.9	11.4
EAST & NORTH KILDONAN	16.8	17.9	10.3	4.4	8.4
OLD & WEST KILDONAN	14.5	**	7.4	9.2	7.1
ST. BONIFACE	11.8	8.2	11.4	12.4	**
ST. JAMES	12.4	7.8	14.0	11.4	6.4
EAST & WEST ST. PAUL	48.4*	-	**	**	**
ST. VITAL	17.7	21.2	10.7	8.0	8.3
TRANSCONA	20.7	**	9.5	15.5	20.9
INNER CITY	18.9	11.9	12.6	14.4	11.2
WINNIPEG TOTAL	16.1	11.4	11.2	10.9	9.7

SOURCE: Manitoba Vital Statistics registrations.
1 Infant death rate is defined as rate of infant deaths under 1 year of age, excluding stillbirths, per 1,000 live births.
* Due to low incidence.
**Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V - 3A

NEWBORN DEATHS[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	-	3	3	3	5
FT. GARRY	3	3	3	3	4
EAST & NORTH KILDONAN	12	14	6	3	6
OLD & WEST KILDONAN	5	1	3	3	2
ST. BONIFACE	5	1	3	3	-
ST. JAMES	6	2	6	7	4
EAST & WEST ST. PAUL	2	-	1	-	1
ST. VITAL	8	11	6	3	4
TRANSCONA	6	-	2	3	3
INNER CITY	42	19	24	29	16
WINNIPEG TOTAL	89	54	57	57	45

SOURCE: Manitoba Vital Statistics registrations.
1 Newborn deaths are defined as infant deaths from birth to less than 7 days of age.

V - 3B

NEWBORN DEATH RATES[1]

WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	-	5.0	5.3	4.9	7.8
FT. GARRY	5.4	5.3	4.9	4.8	6.5
EAST & NORTH KILDONAN	12.6	14.7	6.2	3.3	6.3
OLD & WEST KILDONAN	10.4	*	5.5	5.5	*
ST. BONIFACE	8.4	*	5.7	6.2	-
ST. JAMES	6.8	*	7.6	8.9	5.1
EAST & WEST ST. PAUL	*	-	*	-	*
ST. VITAL	10.9	14.6	8.0	4.0	5.5
TRANSCONA	13.8	-	*	9.3	10.5
INNER CITY	12.8	6.0	7.9	9.9	5.3
WINNIPEG TOTAL	10.6	6.6	7.0	7.1	5.5

SOURCE: Manitoba Vital Statistics registrations.
1 Newborn death rate is defined as the rate of infant deaths from birth to less than 7 days of age per 1,000 live births.
* Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V - 4A
PERINATAL DEATHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	4	6	7	6	9
FT. GARRY	11	8	12	7	9
EAST & NORTH KILDONAN	21	19	14	14	14
OLD & WEST KILDONAN	8	10	10	10	7
ST. BONIFACE	11	8	9	5	3
ST. JAMES	14	11	13	13	13
EAST & WEST ST. PAUL	2	-	1	-	1
ST. VITAL	11	19	11	6	11
TRANSCONA	8	-	4	4	3
INNER CITY	82	53	52	61	42
WINNIPEG TOTAL	172	134	133	126	112

SOURCE: Manitoba Vital Statistics registrations.
1 Perinatal deaths are defined as foetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age.

V - 4B
PERINATAL DEATH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	10.1	10.0	12.2	9.8	14.0
FT. GARRY	19.5	14.0	19.4	11.0	14.5
EAST & NORTH KILDONAN	21.9	19.9	14.3	15.2	14.5
OLD & WEST KILDONAN	16.5	20.7	18.2	18.2	12.2
ST. BONIFACE	18.3	16.3	16.9	10.3	5.7
ST. JAMES	15.3	1.4	16.4	16.3	16.5
EAST & WEST ST. PAUL	*	-	*	*	*
ST. VITAL	14.9	24.9	14.6	8.0	15.0
TRANSCONA	18.3	-	12.6	12.3	10.5
INNER CITY	24.6	16.3	17.1	20.7	13.7
WINNIPEG TOTAL	20.3	16.2	16.2	15.6	13.6

SOURCE: Manitoba Vital Statistics registrations.
1 Perinatal death rate is defined as foetal deaths of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 20 or more weeks gestation.
* Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate city areas within Winnipeg.

V - 4C
PERINATAL DEATHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	4	6	5	5	5
FT. GARRY	9	6	11	7	7
EAST & NORTH KILDONAN	19	17	10	9	12
OLD & WEST KILDONAN	7	8	5	7	4
ST. BONIFACE	7	6	7	5	3
ST. JAMES	12	7	10	13	8
EAST & WEST ST. PAUL	2	-	1	-	1
ST. VITAL	9	7	9	6	8
TRANSCONA	8	-	4	4	3
INNER CITY	69	40	46	52	35
WINNIPEG TOTAL	146	107	108	108	86

SOURCE: Manitoba Vital Statistics registrations.
1 Perinatal deaths are defined as foetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age.

V - 4D
PERINATAL DEATH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	10.1	10.0	8.7	8.2	7.8
FT. GARRY	16.0	10.5	17.8	11.0	11.3
EAST & NORTH KILDONAN	19.8	17.8	10.2	9.8	12.4
OLD & WEST KILDONAN	14.4	16.6	9.2	12.7	7.0
ST. BONIFACE	11.7	12.2	13.2	10.3	5.7
ST. JAMES	13.4	8.9	12.6	16.3	10.2
EAST & WEST ST. PAUL	*	-	*	-	*
ST. VITAL	12.2	9.2	12.0	8.0	11.0
TRANSCONA	18.3	-	12.6	12.3	10.5
INNER CITY	20.7	12.4	15.1	17.6	11.5
WINNIPEG TOTAL	17.2	13.0	13.2	13.4	10.5

SOURCE: Manitoba Vital Statistics registrations.
1 Perinatal death rate is defined as foetal deaths of 28 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births. Total births are defined as live births plus stillbirths of 28 or more weeks gestation.
* Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V - 4E
STILLBIRTHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	4	3	4	3	4
FT. GARRY	8	5	9	4	5
EAST & NORTH KILDONAN	9	5	8	11	8
OLD & WEST KILDONAN	3	9	7	7	5
ST. BONIFACE	6	7	6	2	3
ST. JAMES	8	9	7	6	9
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	3	8	5	3	7
TRANSCONA	2	-	2	1	-
INNER CITY	40	34	28	32	26
WINNIPEG TOTAL	83	80	76	69	67

SOURCE: Manitoba Vital Statistics registrations.
1 Stillbirths are defined as foetal deaths of 20 or more weeks gestation.

V - 4F
STILLBIRTH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	10.2	5.0	7.0	4.9	6.2
FT. GARRY	14.4	8.8	14.7	6.3	8.1
EAST & NORTH KILDONAN	9.5	5.3	8.2	12.1	8.4
OLD & WEST KILDONAN	6.2	19.0	12.9	12.9	8.8
ST. BONIFACE	10.1	14.4	11.4	*	5.8
ST. JAMES	9.0	11.6	8.9	7.6	11.6
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	4.1	10.6	6.7	4.0	9.7
TRANSCONA	*	-	*	*	-
INNER CITY	12.2	10.7	9.3	11.0	8.6
WINNIPEG TOTAL	9.9	9.8	9.3	8.6	8.2

SOURCE: Manitoba Vital Statistics registrations.
1 Stillbirth rate is defined as foetal deaths of 20 or more weeks gestation per 1,000 live births.
* Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate city areas within Winnipeg.

V - 4G
STILLBIRTHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	4	3	2	2	-
FT. GARRY	6	3	8	4	3
EAST & NORTH KILDONAN	7	3	4	6	6
OLD & WEST KILDONAN	2	7	2	4	2
ST. BONIFACE	2	5	4	2	3
ST. JAMES	6	5	4	6	4
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	1	6	3	3	4
TRANSCONA	2	-	2	1	-
INNER CITY	27	21	22	23	19
WINNIPEG TOTAL	57	53	51	51	41

SOURCE: Manitoba Vital Statistics registrations.
1 Stillbirths are defined as foetal deaths of 28 or more weeks gestation.

V - 4H
STILLBIRTH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	10.2	5.0	*	*	-
FT. GARRY	10.8	5.3	13.1	6.3	4.9
EAST & NORTH KILDONAN	7.4	3.2	4.1	6.6	6.3
OLD & WEST KILDONAN	*	14.8	*	7.4	*
ST. BONIFACE	*	10.3	7.6	*	5.8
ST. JAMES	6.8	6.5	5.1	7.6	5.1
EAST & WEST ST. PAUL	-	-	-	-	-
ST. VITAL	*	8.0	4.0	4.0	5.5
TRANSCONA	*	-	*	*	-
INNER CITY	8.2	6.6	7.3	7.9	6.3
WINNIPEG TOTAL	6.8	6.5	6.3	6.4	5.0

SOURCE: Manitoba Vital Statistics registrations.
1 Stillbirth rate is defined as foetal deaths of 28 or more weeks gestation per 1,000 live births.
* Not calculated due to low incidence.
NOTE: Totals may differ from those for Winnipeg in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of separate areas within Winnipeg.

V - 5A
NEONATAL DEATHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	-	3	3	3	5
FT. GARRY	3	4	3	4	4
EAST & NORTH KILDONAN	12	15	7	4	7
OLD & WEST KILDONAN	5	1	4	3	4
ST. BONIFACE	5	1	4	3	-
ST. JAMES	6	3	6	7	4
EAST & WEST ST. PAUL	2	-	1	-	1
ST. VITAL	10	14	6	4	4
TRANSCONA	7	1	2	4	4
INNER CITY	47	24	31	31	20
WINNIPEG TOTAL	97	66	67	63	53

SOURCE: Manitoba Vital Statistics registrations.
1 Neonatal deaths are defined as infant deaths under 28 days of age, excluding stillbirths.

V - 5B
NEONATAL DEATH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	-	5.0	5.3	4.9	7.8
FT. GARRY	5.4	7.1	4.9	6.3	6.5
EAST & NORTH KILDONAN	12.6	15.8	7.2	4.4	7.3
OLD & WEST KILDONAN	10.4	*	7.4	5.5	7.1
ST. BONIFACE	8.4	*	7.6	6.2	-
ST. JAMES	6.8	3.9	7.6	8.9	5.1
EAST & WEST ST. PAUL	*	-	*	-	*
ST. VITAL	13.6	18.6	8.0	5.4	5.5
TRANSCONA	16.1	*	*	12.4	13.9
INNER CITY	14.3	7.5	10.3	10.6	6.6
WINNIPEG TOTAL	11.6	8.1	8.2	7.9	6.5

SOURCE: Manitoba Vital Statistics registration.
1 Neonatal death rate is defined as infant deaths under 28 days of age, excluding stillbirths, per 1,000 live births.
* Not calculated due to low incidence.
NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate city areas within Winnipeg.

V - 6A
POST-NEONATAL DEATHS[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	2	1	1	1	1
FT. GARRY	2	1	3	1	3
EAST & NORTH KILDONAN	4	2	3	-	1
OLD & WEST KILDONAN	2	1	-	2	-
ST. BONIFACE	2	3	2	3	2
ST. JAMES	5	3	5	2	1
EAST & WEST ST. PAUL	1	-	-	1	-
ST. VITAL	3	2	2	2	2
TRANSCONA	2	-	1	1	2
INNER CITY	15	14	7	11	14
WINNIPEG TOTAL	38	27	24	24	26

SOURCE: Manitoba Vital Statistics registrations.
1 Post-neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

V - 6B
POST-NEONATAL DEATH RATES[1]
WINNIPEG REGION 1977-1981

WINNIPEG REGION	1977	1978	1979	1980	1981
CHARLESWOOD-TUXEDO	*	*	*	*	*
FT. GARRY	*	*	4.9	*	4.9
EAST & NORTH KILDONAN	4.2	*	3.1	-	*
OLD & WEST KILDONAN	*	*	-	*	-
ST. BONIFACE	*	6.2	*	6.2	*
ST. JAMES	5.6	3.9	6.3	*	*
EAST & WEST ST. PAUL	*	-	-	*	-
ST. VITAL	4.1	*	*	*	*
TRANSCONA	*	-	*	*	*
INNER CITY	4.6	4.4	2.3	3.8	4.6
WINNIPEG TOTAL	4.5	3.3	2.9	3.0	3.2

SOURCE: Manitoba Vital Statistics registrations.
1 Post-neonatal death rate is defined as infant deaths from 28 days to under 1 year of age per 1,000 live births.
* Rate not calculated due to low incidence.
NOTE: Totals may differ from Winnipeg Region in Part IV due to variation between Winnipeg coded as a Manitoba region and the coding of the separate city areas within Winnipeg.

POST NEONATAL DEATHS[1] BY CAUSE[2]

AND WINNIPEG AREA 1981

CAUSE OF DEATH / REGION	LOWER RESPIRATORY	OTHER RESPIRATORY	CONGENITAL ANOMALIES	BIRTH INJURY	GASTRO-INTESTINAL	SYMPTOMS & ILL DEFINED	OTHER CAUSES	TOTAL
CHARLESWOOD TUXEDO	-	-	1	-	-	-	-	1
FT. GARRY	-	-	1	-	-	1	1	3
KILDONAN (EAST & NORTH)	-	1	-	-	-	-	-	1
KILDONAN (OLD & WEST)	-	-	-	-	-	-	-	-
ST. BONIFACE	1	-	-	-	-	1	-	2
ST. JAMES	-	-	-	-	-	-	1	1
ST. PAUL (EAST & WEST)	-	-	-	-	-	-	-	-
ST. VITAL	-	-	1	-	-	1	-	2
TRANSCONA	-	-	-	-	-	1	1	2
WINNIPEG INNER CITY	1	-	1	-	-	9	3	14
TOTAL	2	1	4	-	-	13	6	26

SOURCE: Manitoba Vital Statistics registrations.

1 Post neonatal deaths are defined as infant deaths from 28 days to under 1 year of age.

2 Cause of death has been aggregated from the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (Ninth Revision), World Health Organization, Volume 1, 1977 as follows: Lower Respiratory (480-483, 485-492); Other Respiratory (768, 769, 770); Congenital Anomalies (740-759); Birth Injury (767); Gastro-Intestinal (004-009, 535, 555, 556, 558, 562, 564, 565, 566, 567.2, 567.9, 568, 569); Symptoms and Ill-Defined Conditions (780-796, 798, 799).

DEATHS UNDER 1 YEAR OF AGE BY WINNIPEG AREAS AND BY SELECTED AGES 1981

REGION	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 MONTHS TO LESS THAN 6 MONTHS	6 MONTHS TO LESS THAN 12 MONTHS
CHARLESWOOD-TUXEDO	3	-	2	-	-	-	1	-
FT. GARRY	3	1	-	-	-	-	3	-
KILDONAN (EAST & NORTH)	4	1	1	1	-	1	-	-
KILDONAN (OLD & WEST)	1	1	-	2	-	-	-	-
ST. BONIFACE	-	-	-	-	-	-	1	1
ST. JAMES	-	3	1	-	-	-	1	-
ST. PAUL (EAST & WEST)	-	-	1	-	-	-	-	-
ST. VITAL	3	1	-	-	-	-	2	-
TRANSCONA	1	1	1	1	-	-	-	2
WINNIPEG - INNER CITY	12	2	2	1	3	5	7	2
WINNIPEG TOTAL	27	10	8	5	3	6	15	5

SOURCE: Manitoba Vital Statistics registrations.

DEATH RATES[1] UNDER 1 YEAR OF AGE BY WINNIPEG AREAS AND BY SELECTED AGES 1981

REGION	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 MONTHS TO LESS THAN 6 MONTHS	6 MONTHS TO LESS THAN 12 MONTHS
CHARLESWOOD-TUXEDO	4.7	-	*	-	-	-	*	-
FT. GARRY	4.9	*	-	-	-	-	4.9	-
KILDONAN (EAST & NORTH)	4.2	*	*	*	-	*	-	-
KILDONAN (OLD & WEST)	*	*	-	*	-	-	-	-
ST. BONIFACE	-	-	-	-	-	-	*	*
ST. JAMES	-	3.9	*	-	-	-	*	-
ST. PAUL (EAST & WEST)	-	-	*	-	-	-	-	-
ST. VITAL	4.1	*	-	-	-	-	*	-
TRANSCONA	*	*	*	*	-	-	-	*
WINNIPEG - INNER CITY	4.0	*	*	*	1.0	1.6	2.3	*
WINNIPEG TOTAL	3.3	1.2	1.0	0.6	0.4	0.7	1.8	0.6

SOURCE: Manitoba Vital Statistics registrations.
1 All rates are defined as rate per 1,000 live births.
* Not calculated due to low incidence.

SELECTED VITAL STATISTICS RATES[1] BY MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS OF RESIDENCE 1981

VITAL STATISTICS REGION	POPULATION	LIVE BIRTH RATE	STILLBIRTH DEATH RATE	FIRST DAY DEATH RATE	NEWBORN DEATH RATE	PERINATAL DEATH RATE	NEONATAL DEATH RATE	POST NEONATAL DEATH RATE	INFANT DEATH RATE
CENTRAL	89,566	16.3	7.5	5.5	5.5	12.9	6.8	3.4	10.3
EASTMAN	68,309	16.8	9.6	3.5	5.2	14.7	6.1	4.4	10.5
INTERLAKE	61,645	11.7	9.7	*	4.2	13.7	4.2	*	5.5
NORMAN	22,304	18.4	7.3	-	*	12.1	*	*	7.3
PARKLAND	45,357	12.9	6.8	6.8	11.9	18.6	15.4	*	17.1
THOMPSON	22,644	23.8	3.3	*	*	11.0	*	5.6	9.3
WESTMAN	117,763	14.3	8.9	3.6	7.7	16.5	10.7	5.4	16.1
WINNIPEG	594,146	13.8	8.2	3.3	5.5	13.6	6.5	3.2	9.7
I.R.&U.T.	56,773	21.7	13.8	6.5	9.7	23.2	13.0	12.2	25.2
MANITOBA TOTAL	1,078,513	14.8	8.8	3.8	6.1	14.7	7.5	4.1	11.7

SOURCES: Manitoba Health Services Commission population records.
Manitoba Vital Statistics registrations.

1 Unless otherwise indicated rates are per 1,000 live births.
2 Live birth rate is defined as the rate of live births per 1,000 population.
3 Stillbirths are defined as foetal deaths of 20 or more weeks gestation.
4 Perinatal death rate is defined as foetal deatns of 20 or more weeks gestation plus infant deaths under 7 days of age per 1,000 total births.
* Not calculated due to low incidence.

SELECTED VITAL STATISTICS* BY INFANT WEIGHT AT BIRTH 1981

VITAL STATISTICS / WT. (GMS)	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATES	NEWBORN DEATH RATES	PERINATAL DEATH RATES
<1500	67	54	121	130	197	515.4	415.4	614.2
1500 - < 2000	17	11	28	166	183	102.4	66.3	153.0
2000 - < 2500	12	4	16	573	585	20.9	7.0	27.4
2500 - < 3000	12	10	22	2,202	2,214	5.4	4.5	9.9
3000 - < 3500	10	10	20	5,667	5,677	1.8	1.8	3.5
3500+	9	4	13	7,206	7,215	1.2	0.6	1.8
TOTAL	140[1]	97[2]	237[3]	15,952[4]	16,092[5]	8.8	6.1	14.7

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. See glossary for definitions. For stillbirths and perinatal deaths, foetal deaths of 20 or more weeks gestation are used.

1 Includes 13 stillbirths not categorized by weight at birth.

2 Includes 4 births not categorized by weight at birth.

3 Includes 17 births not categorized by weight.

4 Includes 8 births not categorized by weight.

5 Includes 21 births not categorized by weight.

SELECTED VITAL STATISTICS* BY PARITY 1981

VITAL STATISTICS / PARITY	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTH RATE	NEWBORN DEATH RATE	PERINATAL DEATH RATE
1	51	43	94	6,400	6,451	8.0	6.7	14.6
2	40	25	65	5,230	5,270	7.6	4.8	12.3
3	21	16	37	2,497	2,518	8.4	6.4	14.7
4	10	6	16	983	993	10.2	6.1	16.1
5	4	2	6	313	317	12.8	**	18.9
6	5	1	6	187	192	26.7	**	31.3
7	1	-	1	83	84	**	-	**
8+	2	-	2	114	116	**	-	**
TOTAL	135[1]	94[2]	229[3]	15,815[4]	15,950	8.5	5.9	14.4

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. See glossary for definitions. For stillbirths and perinatal deaths, foetal deaths of 20 or more weeks gestation are used.

The counts and rates presented here differ from those in part IV as these are presented by characteristics of mothers and not infants.

**Not calculated due to low incidence.

1 Includes 1 mother not categorized by parity.
2 Includes 1 mother not categorized by parity.
3 Includes 2 mothers not categorized by parity.
4 Includes 8 mothers not categorized by parity.
5 Includes 9 mothers not categorized by parity.

SELECTED VITAL STATISTICS* BY MOTHERS AGE 1981

VITAL STATISTICS / AGE	STILLBIRTHS	NEWBORN DEATHS	TOTAL PERINATAL DEATHS	LIVE BIRTHS	TOTAL BIRTHS	STILLBIRTHS DEATH RATES	NEWBORN DEATH RATES	PERINATAL DEATH RATES
<15	-	-	-	23	23	-	-	-
15-16	3	2	5	261	264	11.5	**	18.9
17	2	5	7	372	374	**	13.4	18.7
18-19	14	11	25	1,232	1,246	11.4	8.9	20.1
20-24	39	38	77	4,955	4,994	7.9	7.7	15.4
25-29	47	26	73	5,580	5,627	8.4	4.7	13.0
30-34	22	9	31	2,668	2,690	8.2	3.4	11.5
35-39	5	3	8	615	620	8.1	4.9	12.9
40-44	3	-	3	101	104	29.7	-	28.8
45-49	-	-	-	7	7	-	-	-
TOTAL	135	94	229	15,815[1]	15,950[1]	8.5	5.9	14.4

SOURCE: Manitoba Vital Statistics registrations.

* Data are for Manitoba residents only. See glossary for definitions. For stillbirths and perinatal deaths foetal deaths of 20 or more weeks gestation are used.

The counts and rates presented here differ from those in part IV as these are presented by characteristics of mothers and not infants.

**Not calculated due to low incidence.

1 Includes 1 birth categorized, greater than 49.

3 Includes 4 observations not categorized by age at birth.

VI - 3A

PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY BIRTH WEIGHT[1] AND MANITOBA HEALTH AND COMMUNITY SERVICES REGIONS 1981

REGION \ WEIGHT (GMS.)	LESS THAN 1500	1500 TO LESS THAN 2000	2000 TO LESS THAN 2500	2500 TO LESS THAN 3000	3000 TO LESS THAN 3500	3500+	TOTAL LIVE BIRTHS	MEAN WEIGHT (GMS.)
CENTRAL	0.8	0.9	3.0	13.2	33.4	48.6	1,463	3,456.8
EASTMAN	0.7	0.7	2.4	13.5	36.9	45.8	1,145	3,436.9
INTERLAKE	0.3	1.4	2.5	13.3	34.9	47.6	722	3,443.7
NORMAN	0.5	1.2	2.9	13.1	30.9	51.3	411	3,449.1
PARKLAND	0.7	1.0	3.6	12.5	33.6	48.6	586	3,442.6
THOMPSON	0.6	1.7	3.5	17.1	38.0	39.1	539	3,379.1
WESTMAN	0.8	1.2	2.9	12.7	33.7	48.7	1,679	3,446.6
WINNIPEG	0.8	1.0	4.0	14.3	37.2	42.7	8,176	3,383.0
I.R. & U.T.	1.3	1.0	4.9	12.8	30.1	49.6	1,231	3,434.1
MANITOBA TOTAL	0.8	1.0	3.6	13.8	35.5	45.2	15,952	3,410.0

SOURCE: Manitoba Vital Statistics registrations.
1 Data are for Manitoba residents only.

PERCENTAGE DISTRIBUTION OF MOTHERS BY PARITY[1] AND HEALTH & COMMUNITY SERVICES REGIONS 1981

PARITY / REGION	1	2	3	4	5	6	7	8+	TOTAL MOTHERS
CENTRAL	35.9	28.5	19.0	8.5	3.5	1.7	1.2	1.7	1,444
EASTMAN	35.4	30.8	19.1	9.1	3.3	1.3	0.5	0.5	1,133
INTERLAKE	37.1	33.8	18.2	6.6	2.4	0.8	0.4	0.7	714
NORMAN	44.5	34.0	13.7	5.1	1.5	0.2	0.7	0.2	409
PARKLAND	36.0	31.6	17.9	9.7	2.4	0.9	0.5	1.0	580
THOMPSON	41.0	35.8	14.4	4.9	2.8	0.7	0.4	-	534
WESTMAN	41.0	32.7	16.3	6.2	1.4	1.1	0.4	0.9	1,665
WINNIPEG	43.8	35.2	14.2	4.5	1.1	0.8	0.3	0.1	8,113
I.R. & U.T.	30.4	26.0	17.9	11.6	5.0	3.6	1.7	3.7	1,214
MANITOBA TOTAL	40.5	33.1	15.8	6.2	2.0	1.2	0.5	0.7	15,806[2]

SOURCE: Manitoba Vital Statistics registrations.
1 Data are for Manitoba residents only.
2 8 missing - not categorized by parity.

PERCENTAGE DISTRIBUTION OF MOTHERS BY AGE[1] AND MANITOBA HEALTH & COMMUNITY SERVICES REGIONS 1981

REGION	<15	15-16	17	18-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL MOTHERS
CENTRAL	-	0.8	1.2	6.4	36.5	34.6	15.4	4.2	0.6	0.1	1,444[2]
EASTMAN	-	0.9	1.3	5.6	30.8	41.0	15.5	4.5	0.4	-	1,135
INTERLAKE	-	1.1	2.7	6.3	30.1	36.7	18.2	4.1	0.6	0.3	714
NORMAN	0.2	4.6	3.2	12.2	37.9	29.1	10.3	2.4	-	-	409
PARKLAND	0.3	1.9	3.4	8.4	32.2	33.9	16.2	3.1	0.5	-	581
THOMPSON	0.4	2.6	4.3	10.5	36.1	31.6	12.2	2.1	0.2	-	534
WESTMAN	0.1	1.2	2.0	7.6	33.7	37.1	14.2	3.2	1.0	-	1,666
WINNIPEG	0.1	1.1	1.7	6.6	28.2	37.5	19.9	4.3	0.6	*	8,116
I.R. & U.T.	0.7	6.3	7.5	17.9	39.0	17.3	7.4	2.8	1.0	0.1	1,214
MANITOBA TOTAL	0.1	1.7	2.4	7.8	31.3	35.3	16.9	3.9	0.6	*	15,813

SOURCE: Manitoba Vital Statistics registrations.
1 Data are for Manitoba residents only.
2 Missing 1 mother age >49.
* Negligible.

NUMBER OF LIVE BIRTHS AND PERCENTAGE DISTRIBUTION 1981

A. REGION VS BIRTH WEIGHT

WT (GMS) / REGION	< 2000		2000 - 3499		3500+		TOTAL #
	#	%	#	%	#	%	
WINNIPEG	152	1.9	4,530	55.4	3,492	42.7	8,174
OTHER REGIONS	116	1.8	3,323	50.8	3,103	47.4	6,542
I.R. & U.T.	28	2.3	589	48.0	611	49.8	1,228
MANITOBA	296	1.9	8,442	52.9	7,206	45.2	15,944[1]

1 8 missing - not categorized by weight.

B. REGION VS PARITY[1]

PARITY / REGION	1		2 - 4		5+		TOTAL #
	#	%	#	%	#	%	
WINNIPEG	3,554	43.8	4,369	55.9	190	2.3	8,113
OTHER REGIONS	2,477	38.2	3,666	56.6	336	5.7	6,479
I.R. & U.T.	369	30.4	674	55.5	171	14.1	1,214
MANITOBA	6,400	40.5	8,709	55.1	697	4.4	15,806[1]

1 8 missing - not categorized by parity.

C. REGION VS MOTHERS'S AGE

AGE / REGION	< 20		20 - 34		35+		TOTAL #
	#	%	#	%	#	%	
WINNIPEG	770	9.5	6,944	85.6	402	5.0	8,116
OTHER REGIONS	724	11.2	5,485	84.6	275	4.2	6,484
I.R. & U.T.	394	32.5	773	63.7	47	3.9	1,214
MANITOBA	1,888	11.9	13,202	83.5	724	4.6	15,814

SOURCE: Manitoba Vital Statistics registrations.

NOTES: [1]Parity is defined as the total number of births, current and previous, and live and still, by an individual mother.

Totals do not agree between parts B and C because of missing data on parity and region. In Manitoba a total of 16,270 women gave birth to a live infant, with 15,814 of them being Manitoba residents.

DEATHS UNDER ONE YEAR OF AGE BY HEALTH & COMMUNITY SERVICES REGIONS 1981

REGION \ AGE	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	8	-	-	2	-	2	2	1
EASTMAN	4	2	-	-	1	3	1	1
INTERLAKE	2	-	1	-	-	1	-	-
NORMAN	-	1	1	-	-	1	-	-
PARKLAND	4	-	3	2	-	-	1	-
THOMPSON	1	-	-	-	1	1	2	-
WESTMAN	6	4	3	3	2	5	3	1
WINNIPEG	27	10	8	5	3	6	15	5
I.R. & U.T.	8	4	-	2	2	5	5	5
MANITOBA TOTAL	60	21	16	14	9	24	29	13

SOURCE: Manitoba Vital Statistics registrations.

DEATH RATES[1] UNDER ONE YEAR OF AGE BY HEALTH AND COMMUNITY SERVICES REGIONS 1981

REGION \ AGE	LESS THAN 1 DAY	1 TO LESS THAN 3 DAYS	3 TO LESS THAN 7 DAYS	7 TO LESS THAN 15 DAYS	15 TO LESS THAN 28 DAYS	28 DAYS TO LESS THAN 3 MONTHS	3 TO LESS THAN 6 MONTHS	6 TO LESS THAN 12 MONTHS
CENTRAL	5.5	-	-	*	-	*	*	*
EASTMAN	3.5	*	-	-	*	2.6	*	*
INTERLAKE	*	-	*	-	-	*	-	-
NORMAN	-	*	*	-	-	*	-	-
PARKLAND	6.8	-	5.1	*	-	-	*	-
THOMPSON	*	-	-	-	*	*	*	-
WESTMAN	3.6	2.4	1.8	1.8	*	3.0	1.8	*
WINNIPEG	3.3	1.2	1.0	0.6	0.4	0.7	1.8	0.6
I.R. & U.T.	6.5	3.2	-	*	*	4.1	4.1	4.1
MANITOBA TOTAL	3.8	1.3	1.0	0.9	0.6	1.5	1.8	0.8

SOURCE: Manitoba Vital Statistics registrations.

1 All rates are defined as rate per 1,000 live births.

* Not calculated due to low incidence.

POOR

QUALITY

ORIGINAL